

# 学术报告

2023  
MATHEMATICS

## Quantum GIM of N-fold affinization and quantum toroidal algebra

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**摘要:** We introduce the notion of quantum N-toroidal algebras as natural generalization of the quantum toroidal algebras as well as extended quantized GIM algebras of N-fold affinization. We show that the quantum N-toroidal algebras are quotients of the extended quantized GIM algebras of N-fold affinization, which generalizes a well-known result of Berman and Moody for Lie algebras.

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**邀请人:** 胡峻

**时间:** 2023年6月15日 13:00-14:00

**地点:** 中关村校区研究生楼209